

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 213 AND WHITEHALL ROAD IN CECIL COUNTY. MD 213 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

THIS PROJECT IS NECESSITATED BY THE WIDENING OF THE WESTBOUND WHITEHALL ROAD APPROACH. SIGNALIZATION WORK WILL INCLUDE SIGNAL HEAD ADJUSTMENTS AND DETECTOR, CONDUIT, AND WIRING REPLACEMENT.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA FOUR-PHASE, FULL-TRAFFIC-ACTUATED MODE, WITH THE MD 213 APPROACHES OPERATING CONCURRENTLY AND THE WHITEHALL ROAD APPROACHES OPERATING CONCURRENTLY.

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

CONTROLLER REQUIREMENTS

INSTALL ONE, FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER INTO THE EXISTING BASE MOUNTED CABINET.

SPECIAL NOTES

1) NO EQUIPMENT WILL BE SUPPLIED BY THE SHA ON THIS PROJECT

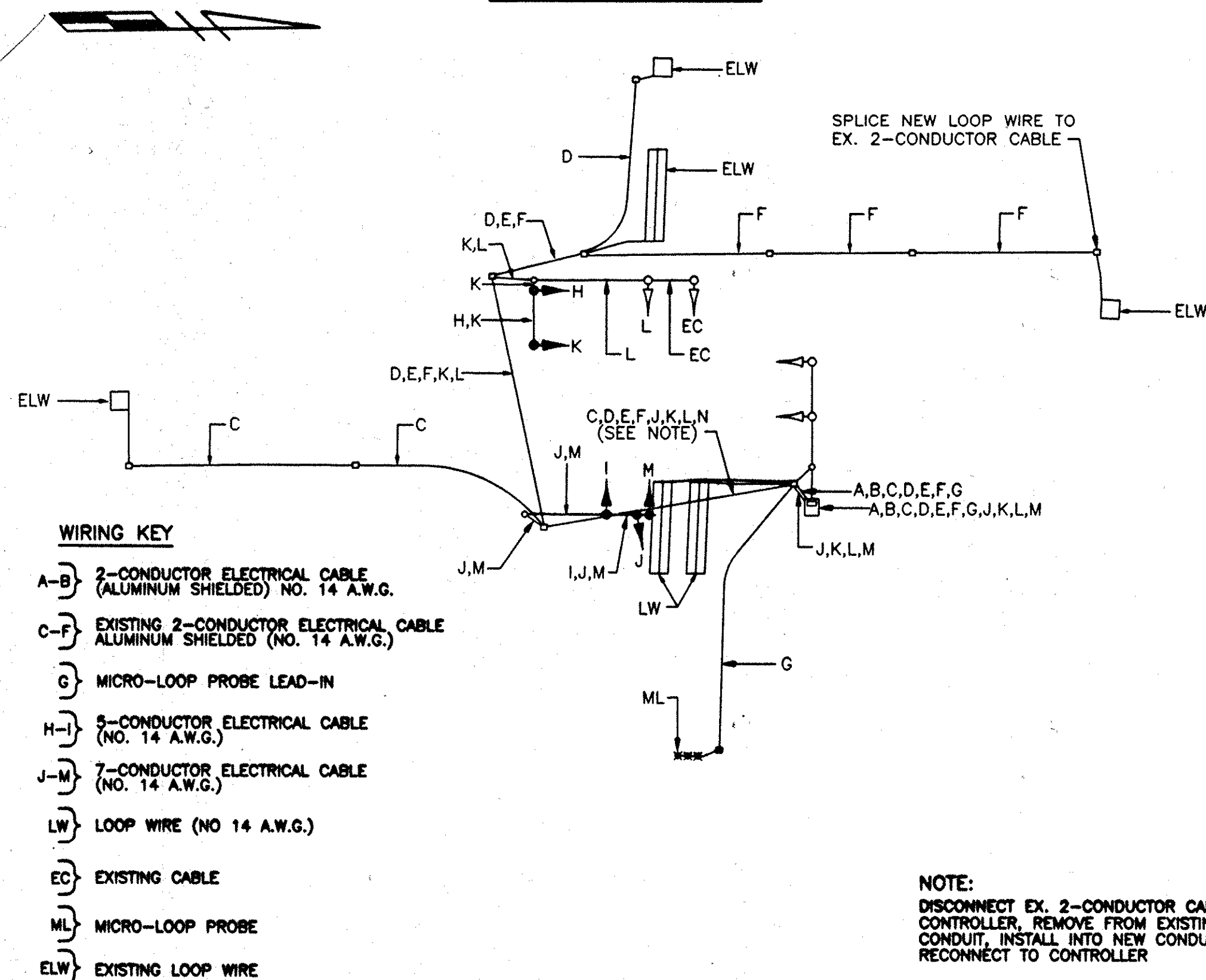
EQUIPMENT LIST

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
5004	120 L.F.	24 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
8016	1 EACH	FURNISH AND INSTALL MICRO-LOOP PROBE SET WITH 500 FT. LEAD-IN
8021	330 L.F.	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
8022	60 L.F.	FURNISH AND INSTALL 1 IN. ELECTRICAL CONDUIT - GALVANIZED SLEEVE
8040	1000 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)
8041	25 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR ALUMINUM SHIELDED (NO. 14 A.W.G.)
8044	40 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)
----	4 EACH	RELOCATE SIGNAL HEADS
----	2 EACH	RELOCATE SIGNS
----	1 EACH	FURNISH AND INSTALL FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER
----	2 EACH	FURNISH AND INSTALL R3-5(L) SIGN (30" X 36") MAST ARM MOUNT
8033	1 EACH	FURNISH AND INSTALL HANDHOLE
8024	100 L.F.	FURNISH AND INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8031	90 L.F.	FURNISH AND INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT-SLOTTED
8045	900 L.F.	FURNISH AND INSTALL 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
----	400 L.F.	REMOVE AND REINSTALL EXISTING ELECTRICAL CABLE
----	1 EACH	FURNISH AND INSTALL 8", ONE-WAY, THREE SECTION (R,Y,G) TRAFFIC SIGNAL HEAD WITH PROPER BRACKET FOR MAST ARM MOUNTING

NOTE: ITEM NUMBERS CORRESPOND TO MSHA AREAWIDE CONTRACT

WIRING DIAGRAM



TRAFFIC CONCEPTS, INC.

Brightview Business Center
8258 Veterans Highway
Suite 19B
Millersville, MD 21108
(410) 987-0427

REVISIONS	APPROVALS	MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION GENERAL INFORMATION SHEET MD 213 AND WHITEHALL ROAD	
	ASSISTANT DIVISION CHIEF	DATE: 4-1-98	DRAWN BY: J. ZAYDEL
	ASST. DISTRICT ENGINEER, TRAFFIC	SCALE: NONE	DESIGNED BY: J. ZAYDEL
	CHIEF, TRAFFIC ENG. DESIGN DIV.	APPROVED BY:	CHECKED BY: K. SCHMID
	DIR., OFFICE OF TRAFFIC & SAFETY	F.A.P. NO.	S.H.A. NO.
		COUNTY: CECIL	PLAN SHEET NO.: TS-3323C GI
			SHEET NO. 2 OF 2